

# ABSTRACT

By using a charge-transporting thin film which is made  
5 of charge-transporting varnish containing, as an  
electron-acceptor material, a 1,4-benzodioxane sulfonic acid  
compound represented by the formula (1) below especially in  
an OLED device or a PLED device, there can be realized  
excellent EL device characteristics such as low driving  
10 voltage, high luminous efficiency and long life.

